

Fact Sheet



For Final Significant Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Significant Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on August 25, 2006.

Permit Number: **R30-04100010-2006**
Application Received: **January 13, 2010**
Plant Identification Number: **03-54-041-00010**
Permittee: **Dominion Transmission, Inc.**
Facility Name: **Camden Compressor Station**
Mailing Address: **445 West Main Street, Clarksburg, WV 26301**

Permit Action Number: *SM02* Revised: *April 13, 2010*

Physical Location:	Camden, Lewis County, West Virginia
UTM Coordinates:	534.85 km Easting • 4323.27 km Northing • Zone 17
Directions:	Interstate 79 North to the Weston Exit. Turn left on Route 33 West through Weston. Turn left onto Smith Run Road and go 1.5 miles. Turn left onto gravel road and proceed 0.3 miles to station on the left.

Facility Description

Camden Compressor Station (CS) is a natural gas transmission facility covered by Standard Industrial Classification (SIC) Code 4922 and North American Industry Classification System (NAICS) Code 48621. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day. The station consists of five (5) 600 HP natural gas fired reciprocating engines, one (1) dehydrator reboiler, one (1) dehydration unit, one (1) air compressor, and seven (7) storage tanks of various sizes.

This significant modification reflects the changes permitted by 45CSR13 General Permit, G060-C014. G060-C014 is for the installation of one (1) emergency generator that will provide power on an emergency basis to run the Camden Compressor Station's equipment.

Emissions Summary

The following table summarizes the facility's controlled emissions both before and after this significant modification (SM02).

Pollutant	Current PTE from SM01 (tpy)	Change in PTE under SM02 (tpy)	Proposed PTE (tpy)
NO _x	647.22	+0.52	647.74
CO	126.41	+1.05	127.46
VOC	216.19	+0.26	216.45
PM	1.26	+0.01	1.27
PM ₁₀	1.26	+0.01	1.27
PM _{2.5}	1.26	+0.01	1.27
SO ₂	0.11	0	0.11
HAPs	2.73	+0.02	2.75

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 647.74 tpy of NO_x, 127.46 tpy of CO, and 216.45 tpy of VOC. Due to this facility's potential to emit over 100 tons per year of a criteria pollutant, Dominion Transmission, Inc. Camden Compressor Station is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	Construction permit requirement.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
	40 C.F.R. Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

State Only: None

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
G60-C014	December 4, 2009	None
Install a natural gas emergency generator		

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

Determinations and Justifications

The only significant change to Dominion's Camden Compressor Station's Title V Permit is the addition of requirements from NSR general permit (G60-C014) for the emergency generator (EG01).

The following changes were made in this significant modification.

- Sections 3.5.3 and 3.5.5 were revised accordingly to US EPA Region 3 request that all annual compliance certifications be submitted electronically (e-mail). This is a general change to the boiler plate language.
- 40 C.F.R. Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines**

Camden Compressor Station's Cummins Model GTA 19 GS2 Emergency Generator (EG01) shall comply with 40 C.F.R. Part 60 Subpart JJJJ. EG01 is rated at 475 HP and combusts natural gas. Applicable emissions limitations are found in Table 1 of 40 C.F.R. Part 60 Subpart JJJJ as specified in 40 C.F.R. § 60.4248.

Comparing the applicable emissions limitations from Table 1 of 40 C.F.R. § 60.4248 for maximum horsepower of ≥ 130 Hp with the emission limits in Section 6.1.1 of the Title V Permit/G60-C014 shows that the maximum controlled emissions from Camden's natural gas fired emergency generators (EG01) shall not exceed the requirements in 40 C.F.R. § 60.4248 Table 1 [40 C.F.R. Part 60 Subpart JJJJ] (see Section 6.1.2.).

Pollutant	Table 1	Horsepower			Section 6.1.1
	g/hp-hr	HP-hr	Lb/g	LB/hr ¹	LB/hr
HC/VOC	1.0	475	0.0022046	1.05	1.05
NOx	2.0	475	0.0022046	2.09	2.09
CO	4.0	475	0.0022046	4.19	4.19

¹ Calculation for **LB/hr** = **g/hp-hr** * **HP-hr** * **LB/g**

3. **40 C.F.R. Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).**

40 C.F.R. Part 63 Subpart ZZZZ applies to Camden Compressor Station's Cummins Model GTA 19 GS2 Emergency Generator (EG01). EG01 is a new stationary RICE, per 40 C.F.R. § 63.6590 (a) (2) (iii), since it commenced construction on or after June 12, 2006. For a new stationary RICE located at an area source of HAPs with a site rating of less than or equal to 500 brake HP, 40 C.F.R. § 63.6590 (c) states that the compliance with the requirements of 40 C.F.R. Part 63 Subpart ZZZZ shall meet the requirements of 40 C.F.R. Part 60 Subpart JJJJ and that no further requirements under 40 C.F.R. Part 63 Subpart ZZZZ apply. Since EG01 must only meet the requirements of 40 C.F.R. Part 60 Subpart JJJJ, no additional requirements from 40 C.F.R. Part 63 Subpart ZZZZ were included in the permit.

Non-Applicability Determinations

None

Request for Variances or Alternatives

None

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: February 24, 2010
Ending Date: March 26, 2010

All written comments should be addressed to the following individual and office:

Wayne Green
Title V Permit Writer
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Point of Contact

Wayne Green
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1258 • Fax: 304/926-0478

Response to Comments (Statement of Basis)

Not applicable.